

## **EXHIBIT 1 OF FANN DECLARATION**

## **CURRICULUM VITAE**

**JAMES I. FANN, M.D.**

### **BUSINESS ADDRESS:**

Section of Cardiothoracic Surgery  
VA Palo Alto Health Care System  
3801 Miranda Avenue, MS 112E  
Palo Alto, CA 94304  
(650) 858-3917  
FAX: (650) 852-3430

Department of Cardiothoracic Surgery  
Stanford University Medical Center  
300 Pasteur Drive  
Stanford, CA 94305  
(650) 723-7110  
e-mail: jfann@stanford.edu

### **HOME ADDRESS:**

65 Prado Court  
Portola Valley, CA 94028

### **PERSONAL:**

Birthdate: May 4, 1961  
Birthplace: Taipei, Taiwan  
Citizenship: United States  
Married

### **STATE OF LICENSURE:**

California--License No. G057873

### **BOARD CERTIFICATION:**

Diplomate, National Board of Medical Examiners--No. 304760  
Diplomate, American Board of Surgery (issued May 5, 1993)  
Certificate No. 38390  
Diplomate, Added Qualifications in General Vascular Surgery (issued May 22, 1995)  
Certificate No. 100533  
Diplomate, American Board of Thoracic Surgery (issued June 6, 1997)  
Certificate No. 5950

### **MEDICAL ORGANIZATIONS:**

Fellow, American College of Surgeons  
Western Thoracic Surgical Association  
Society of Thoracic Surgeons

## **MEDICAL ORGANIZATIONS (cont.):**

American Medical Association  
American Heart Association (Scientific Council)  
American College of Surgeons, Northern California Chapter  
Bay Area Society of Thoracic Surgeons  
Twenty-first Century Cardiac Surgery Society  
California Medical Association  
California Thoracic Society-American Lung Association  
Alpha Omega Alpha Medical Honor Society

## **MEDICAL ORGANIZATION COMMITTEE**

Program Committee, Western Thoracic Surgical Association

## **JOURNAL AFFILIATION:**

*ad hoc* Reviewer, **The Annals of Thoracic Surgery**  
*ad hoc* Reviewer, **The Journal of Thoracic and Cardiovascular Surgery**  
*ad hoc* Reviewer, **Journal of American Medical Association**  
*ad hoc* Reviewer, **Circulation**  
*ad hoc* Reviewer, **Journal of Vascular Surgery**  
*ad hoc* Reviewer, **Journal of Endovascular Therapy**

## **CURRENT POSITION:**

2004-Present	Associate Professor, Department of Cardiothoracic Surgery Stanford University School of Medicine Stanford, CA 94305
1996-Present	Staff Surgeon, Section of Cardiothoracic Surgery Veterans Affairs Health Care System Palo Alto, CA 94304
2002-Present	Staff Surgeon El Camino Hospital 2500 Grant Road Mountain View, CA 94039

## **PREVIOUS APPOINTMENT**

1996-2000	Clinical Assistant Professor, Department of Cardiothoracic Surgery Stanford University School of Medicine Stanford, CA 94305
-----------	---

#### **PREVIOUS APPOINTMENT (cont.)**

2000-2004      Assistant Professor,  
Department of Cardiothoracic Surgery  
Stanford University School of Medicine  
Stanford, CA 94305

#### **CLINICAL PERFORMANCE:**

2002              Clinical Program of Excellence in Cardiac Surgery, VA Palo Alto HCS  
(Under Secretary of Health's Award)

1999              Clinical Program of Excellence in Cardiac Surgery, VA Palo Alto HCS  
(Under Secretary of Health's Award)

#### **TEACHING AND ADVISORSHIP:**

2002-2004      Director, Course for preclinical medical students: Operative Anatomy and  
Techniques, Stanford Medical School (Surg 254)

2002-2004      Lecturer, Medical Student Surgery Clerkship 300

2003-2004      Lecturer, Cardiology Core Curriculum, Stanford University

2002              Mentor to Emily Ma, Mohammed Abdoolcarim, and Thomas Guillame, B.S. Course  
on Medical Device Design in the Mechanical Engineering Department (Topic:  
Cardiac valve prostheses), Stanford University

2001              Mentor, Fellowship in the Stanford Biomedical Technology Innovation Program

2000-2001      Mentor to Adrian James, B.S., M.S., Michael Murillo, B.S., Kenneth Horne, B.S.:  
Graduate course on Medical Device Design in the Mechanical Engineering  
Department, Stanford University, and Independent Study in Mechanical  
Engineering (Topic: Arterial anastomosis), Stanford University

1999-2000      Advisor to Miguel Canales, M.D., Surgical resident, Fellow in Perioperative  
Management at Stanford University

1999-2000      Advisor to Volkmar Falk, M.D., Fellow and Research Associate in Minimally  
Invasive Heart Surgery, Stanford University

1996-1999      Lecturer, Intensive Care Rotation, VA Palo Alto

#### **HOSPITAL COMMITTEES:**

2002-present    Chairman, Animal Care Subcommittee – VA Palo Alto

1999-Present    Member, Animal Care Subcommittee – VA Palo Alto

1998-Present    Member, Transfusion Committee – VA Palo Alto

1996              Member, Surgical Resident Review Committee – VA Palo Alto

1996              Member, Operating Room Move Committee – VA Palo Alto

#### **MEDICAL SCHOOL COMMITTEE:**

2000-Present    Panel on Medical School Admission – Stanford University

#### **POSTGRADUATE SURGICAL EDUCATION:**

- 1995-6 Chief Resident, Cardiac Surgery and Cardiopulmonary Transplantation,  
Stanford University Medical Center  
Chairman: Bruce A. Reitz, M.D.
- 1994-5 Chief Resident, Thoracic Surgery, Stanford University Medical Center
- 1993-6 Resident, Cardiothoracic Surgery, Stanford University Medical Center  
Chairman: Bruce A. Reitz, M.D.
- 1992-3 Fellow, Vascular Surgery, Stanford University Medical Center  
Chairman: Norman E. Shumway, M.D.  
Program Director: D. Craig Miller, M.D.
- 1991-2 Chief Resident, General Surgery, Stanford University Medical Center  
Chairman: John Niederhuber, M.D.
- 1985-7,  
89-91 Intern and Resident, General Surgery, Stanford University Medical Center  
Chairman: John A. Collins, M.D.

#### **MEDICAL EDUCATION:**

- 1981-5 Northwestern University Medical School  
Doctorate in Medicine  
Graduation with Distinction  
Alpha Omega Alpha  
President, Medical Student Senate  
Representative, Medical Student Senate  
Teaching Assistant, Gross Anatomy Course

#### **UNDERGRADUATE EDUCATION:**

- 1979-83 Northwestern University  
Honors Program in Medical Education  
Bachelor of Science in Medicine  
National Merit Scholar  
Alpha Lambda Delta  
Phi Eta Sigma  
Spence Reese Scholar, Boys' Clubs of San Diego  
Rockwell International Merit Scholar

#### **RESEARCH:**

- 2002-present VA Cooperative Trial of Off-pump vs. On-pump Coronary Artery Bypass  
Participant: VA Palo Alto HCS  
Principal investigator: John Giacomini, M.D.  
Co-investigators: Thomas Burdon, M.D., and James Fann, M.D.

## RESEARCH (cont.):

- 2000-2001      Animal Protocol: Minimally invasive mitral valve procedures  
Evalve, Inc, Administered via PAIRE, VA Palo Alto  
Principal investigator: James Fann, M.D.  
Co-investigator: Thomas Burdon, M.D.
- 1998-2000      Animal Protocol: Phasic flow characteristics in canine coronary arteries  
Ventrica, Inc., Administered via PAIRE, VA Palo Alto  
Principal investigator: James Fann, M.D.  
Co-investigator: Thomas Burdon, M.D.
- 1997            Protocol, Stanford University: Clinical evaluation of transillumination system  
Heartport port-access coronary artery bypass  
Principal investigator: Bruce A. Reitz, M.D.  
Co-investigators: John H. Stevens, M.D., Thomas A. Burdon, M.D., Mario F.  
Pompili, M.D., and James Fann, M.D.
- 1987-9          Carl and Leah McConnell Cardiovascular Surgery Postdoctoral Research Fellow,  
Stanford University: Effects of prostanoids and omega-3 fatty acids in  
atherogenesis; left ventricular regional strain analysis; mitral subvalvular apparatus  
and left ventricular systolic function.  
Laboratory Director: D. Craig Miller, M.D.
- 1984            Senior Elective in Surgical Research, Northwestern University Medical School:  
Endocardial electrophysiologic mapping.  
Laboratory Director: Jerod M. Loeb, Ph.D., and John M. Moran, M.D.
- 1982            Research Assistant, Cardiovascular Physiology Laboratory, and Northwestern  
University Medical School: Endocardial electrophysiologic mapping.  
Laboratory Director: Jerod M. Loeb, Ph.D. and John M. Moran, M.D.
- 1982            NIH Medical Student Short Term Research Training Grant: Surgical approach to  
drug-refractory ventricular tachycardia using intraoperative endocardial  
electrophysiologic mapping.  
Laboratory Director: Jerod M. Loeb, Ph.D. and John M. Moran, M.D.

## PRESENTATIONS:

- May 1984      Fann JI, Loeb JM, LoCicero J, Frederiksen JW, Moran JM. Endocardial activation  
mapping and endocardial pace-mapping a new balloon electrode. Presented at the  
1984 Cardiovascular Research Seminar, Chicago Heart Association, Maywood, IL.
- Oct. 1984      Fann JI, Loeb JM, LoCicero J, Frederiksen JW, Moran JM. Intraoperative  
endocardial activation mapping and intraoperative endocardial pace-mapping  
using a new balloon electrode. Presented at the American College of Surgeons  
70th Annual Clinical Congress, San Francisco.

#### **PRESENTATIONS (cont.):**

- May 1987      Fann JI, Hartman GE, Shochat SJ. "Waterseal" gastrostomy in the management of premature infants with tracheoesophageal fistula and pulmonary insufficiency. Abstract presented at the 18th Annual Meeting of the **American Pediatric Surgical Association**, Hilton Head.
- Nov. 1988      Fann JI, Sarris GE, Miller DC, Mitchell RS, Stinson EB, Shumway NE. Surgical treatment of acute aortic dissection in patients presenting with a stroke. Abstract presented at the **American Heart Association**, Washington D.C.
- Jan. 1989      Fann JI, Sarris GE, Miller DC, Mitchell RS, Oyer PE, Stinson EB, Shumway NE. Treatment of patients with acute aortic dissection presenting with peripheral vascular complications. Abstract presented at the 4th Annual Meeting of the **Western Vascular Society**, Kauai, Hawaii.
- May 1989      Fann JI. Treatment of patients with aortic dissection presenting with peripheral vascular complications. Presentation at the **Northern California Vascular Society**, San Francisco.
- Nov. 1989      Fann JI, Sokoloff MH, Sarris GE, Yun KL, Kosek JC, Miller DC. The reversibility of vein graft arterialization. Abstract presented at the **American Heart Association**, New Orleans.
- Apr. 1990      Fann JI, Sarris GE, Ingels NI, Niczyporuk MA, Yun KL, Daughters GT, Derby GC, Miller DC. Regional left ventricular epicardial and endocardial finite deformations in conscious dogs. Abstract presented at the **Federation of American Society of Experimental Biologists**, Washington D.C.
- May 1990      Fann JI. The reversibility of canine vein graft arterialization. Presentation at the Emile Holman Surgical Conference at **Stanford University Medical Center**.
- May 1990      Fann JI, Glower DD, Shumway NE, Rankin JS, Wolfe WG, Miller DC. Preservation of aortic valve in patients with type A aortic dissection complicated by aortic valvular regurgitation. Abstract presented at the **American Association of Thoracic Surgeons**, Toronto.
- Nov. 1992      Fann JI, Yun KL, Niczyporuk MA, Sarris GE, Ingels NB, Daughters GT, Derby GC, Miller DC. Subepicardial and subendocardial end-systolic finite deformations do not change with preload reduction. Abstract presented at the **American Heart Association**, New Orleans.
- Dec. 1992      Fann JI. Topics in vascular surgery--Challenges in vascular nursing. Center for Education and Professional Development. **Stanford University Medical Center**.
- Feb. 1994      Fann JI. Overview--The symptomatic aneurysm: Whom to screen, how to screen, what to do, and when. Vascular Disease Symposium, **Stanford University Medical Center**.

## PRESENTATIONS (cont.):

- Nov. 1994 Fann JI, Smith JA, Miller DC, Mitchell RS, Moore K, Oyer PE, Stinson EB, Reitz BA, Shumway NE. Surgical management of aortic dissection over 30 years. Abstract presented at the **American Heart Association**, Dallas.
- Jan. 1996 Fann JI, Miller DC, Moore KA, Mitchell RS, Oyer PE, Stinson EB, Robbins RC, Reitz BA, Shumway NE. Twenty-year experience with porcine bioprosthetic heart valves. Abstract presented at the **Society of Thoracic Surgeons**, Orlando.
- Oct. 1996 Fann JI. Endovascular stent-grafting of thoracic aortic aneurysms. Presented at the **International Symposium on Aortic Surgery**, Hospital de Navarra, Pamplona, Spain.
- Oct. 1996 Fann JI. Benign cardiac tumor in the right ventricular outflow tract presenting as pulmonary hypertension. Presented at the **American College of Chest Physicians**, San Francisco.
- Nov. 1996 Fann JI. Closed chest cardiac surgery. Presentation at **Columbia/San Jose Medical Center**, San Jose, California.
- Jan. 1997 Fann JI. Endovascular stent-grafting of descending thoracic aortic aneurysms. Presented at the 5th Annual Meeting of the **Asian Society of Cardiovascular Surgery**, Taipei, Taiwan.
- Jan. 1997 Fann JI. Chaired session: Aortic Disease. 5th Annual Meeting of the **Asian Society of Cardiovascular Surgery**, Taipei, Taiwan.
- Mar. 1997 Fann JI, Peters WS, Burdon TA, Stevens JH, Pompili MF, Rosenfeldt FI, Reitz BA. Port-access two-vessel coronary revascularization in the dog. Presented at the **American College of Cardiology 46th Annual Scientific Session**, Anaheim.
- Sept. 1997 Fann JI. Port-access cardiac surgery. Presented at the 5th Annual Symposium of the **California Center for Cardiac Surgery**. Thousand Oaks, California.
- Sept. 1997 Fann JI. Minimally invasive cardiac surgery. Presented at the Postgraduate Course "The Impact of New Technology on Surgical Practice", **Stanford University School of Medicine**, Stanford.
- Sept. 1997 Fann JI. Minimally invasive cardiac surgery. Presented at the **AmSECT Region III Meeting**, Charleston, South Carolina.
- Oct. 1997 Fann JI. Minimally invasive coronary artery bypass surgery. Presented at the 9th Annual Cardiovascular Update Seminar, **Sutter Roseville Medical Center**, Sacramento, California.
- Oct. 1997 Fann JI. Minimally invasive heart surgery. Presented at "Frontiers in Vascular Disease '97", **Stanford University School of Medicine**, Pebble Beach, California.



## **PRESENTATIONS (cont.):**

- Oct. 1998      Fann JI. Ascending aortic aneurysm and aortic valve disease: Is there an optimal approach? Advances in Cardiovascular Surgery Therapy Symposium, Transcatheter Cardiovascular Therapeutics, Washington, D.C.
- Oct. 1998      Fann JI. Cardiac surgery and cardiac transplantation: The Stanford experience. Grand Rounds at Tianjin Chest Hospital, Tianjin, China.
- Nov. 1999      Fann JI. Minimally invasive cardiac surgery. Windhover Information 2<sup>nd</sup> Annual Symposium, Laguna Niguel, California.
- May 2003      Fann JI. Lung volume reduction using bronchoscopically deployed endobronchial valve devices. American Thoracic Society 99<sup>th</sup> International Conference, Seattle, Washington.
- June 2003      Fann JI. Discussant of Saunders PC, et al. Minimally invasive technology for mitral valve surgery via left thoracotomy. 29<sup>th</sup> Annual Meeting of the Western Thoracic Surgical Association, Carlsbad, California.
- Sept 2003      Fann JI. Ischemic mitral regurgitation: mechanisms and management. Presented at the Kaiser Permanente COAST Conference, Lake Tahoe, California.
- Sept 2003      Fann JI. Management of valvular heart disease. Breakfast session panel. Kaiser Permanente COAST Conference, Lake Tahoe, California.
- Nov 2003      Fann JI, St. Goar FG, Komtebedde J, Oz MC, Block PC, Foster E, Feldman T, Burdon TA. Off-pump edge-to-edge mitral valve technique using a mechanical clip in a chronic model. Abstract to be presented at the American Heart Association, Orlando, Florida.
- June 2004      Fann JI. Moderator, Scientific Session. 30<sup>th</sup> Annual Meeting of the Western Thoracic Surgical Association, Maui, Hawaii.
- June 2004      Fann JI. Discussant of Yun KL, et al. Randomized trial of open vs. endoscopic vein harvest for coronary artery grafting (CABG): Six-month patency rates. 30<sup>th</sup> Annual Meeting of the Western Thoracic Surgical Association, Maui, Hawaii.

## **PUBLICATIONS:**

### **ABSTRACTS:**

1. Fann JI, Sarris GE, Miller DC, Mitchell RS, Stinson EB, Shumway NE. Surgical treatment of acute aortic dissection in patients presenting with a stroke. *Circulation* 1988; 78 (suppl II): II-235.
2. Sarris GE, Fann JI, Niczyporuk MA, Derby GC, Handen CE, Miller DC. Importance of mitral subvalvular apparatus of left ventricular systolic performance. *Circulation* 1988; 78 (suppl II): II-379.

## ABSTRACTS (cont.):

3. Sarris GE, Fann **J**I, Handen CE, Sokoloff MH, Kosek J, Smith DL, Willis AL, Cooper AD, Miller DC. Mechanism of fish oil inhibition of canine vein graft arteriosclerosis. *Circulation* 1988; 78 (suppl II): II-234.
4. Sokoloff MH, Sarris GE, Fann **J**I, Kosek J, Kwei G, Stephens R, Miller DC. Effect of fish oil supplementation on homozygous and heterozygous Watanabe rabbits. *Circulation* 1988; 78 (suppl II): II-572.
5. Fann **J**I, Sokoloff MH, Sarris GE, Yun KL, Kosek JC, Miller DC. The reversibility of vein graft arterialization. *Circulation* 1989; 80 (suppl II): II-226.
6. Yun KL, Fann **J**I, Derby GC, Niczyporuk MA, Handen CE, Bolger AF, Miller DC. Importance of mitral chordae tendinae (CT) in terms of segmental systolic wall function. *Circulation* 1989; 80 (suppl II): II-425.
7. Glower DD, Fann **J**I, Speier RH, White WD, Smith LR, Rankin JS, Miller DC, Wolfe WG. Comparison of medical and surgical therapy for uncomplicated descending aortic dissection. *Circulation* 1989; 80 (suppl II): II-24.
8. Fann **J**I, Sarris GE, Ingels NI, Niczyporuk MA, Yun KL, Daughters GT, Derby GC, Miller DC. Regional left ventricular epicardial and endocardial finite deformations in conscious dogs. *FASEB* 1990; 4: A435.
9. Yun KL, Niczyporuk MA, Sarris GE, Fann **J**I, Miller DC. Importance of mitral subvalvular apparatus for LV energetics in ejecting canine hearts. *Circulation* 1990; 82 (suppl III): III-397.
10. Yun KL, Rayhill SC, Niczyporuk MA, Fann **J**I, Zipkin RE, Derby GC, Handen CE, Miller DC. Mitral subvalvular apparatus and systolic LV function in chronically dilated canine hearts. *Circulation* 1990; 82 (suppl III): III-480.
11. Nasserbakht F, Yun KL, Fann **J**I, Rayhill SC, Kosek JC, Miller DC. The effect of dietary fish oil supplementation on myocardial infarction in swine. *Arteriosclerosis* 1990; 10: 881a.
12. Yun KL, Fann **J**I, Sokoloff MH, Fong LG, Sarris GE, Billingham ME, Miller DC. Dose response of fish oil and safflower oil on rabbit cardiac graft arteriosclerosis. *Arteriosclerosis* 1990; 10: 876a.
13. Fann **J**I, Yun KL, Niczyporuk MA, Sarris GE, Ingels NB, Daughters GT, Derby GC, Miller DC. Subepicardial and subendocardial end-systolic finite deformations do not change with preload reduction. *Circulation* 1992; 86 (suppl I): I-727.
14. Smith JA, Fann **J**I, Miller DC, Mitchell RS, Reitz BA, Stinson EB, Oyer PE, Shumway NE. Marfan syndrome: Surgical management of aortic dissection. *Circulation* 1993; 88 (suppl I): I-12.
15. Dake MD, Semba CP, Rubin GD, Miller DC, Fann **J**I, Liddell R. Endovascular stent/graft treatment of thoracic aortic aneurysms. Abstract, Radiological Society of North America, December 1993, Awarded the Summa Cum Laude Distinction. *Radiology* 1993; 189: 364.

#### **ABSTRACTS (cont.):**

16. Moon MR, Dake MD, Walker PJ, **Fann JI**, Semba CP, Mitchell RS, Miller DC. Endovascular stent-grafts for descending aortic pathology. Abstract, **Aortic Surgery Symposium IV**, Mount Sinai Medical Center, New York, April 1994.
17. Ingels NB, **Fann JI**, Daughters GT, Nikolic SD, Miller DC. Left ventricular volume is not constant during "isovolumic" contraction and relaxation using standard LV models. **Circulation** 1994; 90 (supp I): I-431.
18. **Fann JI**, Smith JA, Miller DC, Mitchell RS, Moore K, Oyer PE, Stinson EB, Reitz BA, Shumway NE. Surgical management of aortic dissection over 30 years. **Circulation** 1994; 90 (supp I): I-96.
19. Yun KL, **Fann JI**, Miller DC, Mitchell RS, Robbins RC, Oyer PE, Stinson EB, Reitz BA, Shumway NE. Composite vs. separate aortic valve in ascending aortic replacement: 30 year experience. **Circulation** 1996; 94 (supp I): I-175.
20. **Fann JI**, Peters WS, Burdon TA, Stevens JH, Pompili MF, Rosenfeldt FI, Reitz BA. Port-access two-vessel coronary revascularization in the dog. **J Am Coll Cardiol** 1997; 29 (supp A): 466A.
21. **Fann JI**, Harris EJ, Dalman RL Concomitant carotid endarterectomy and coronary artery bypass grafting. **Pacific Coast Surgical Association** 1999.
22. **Fann JI**, Berry G, Burdon TA. Lung volume reduction using bronchoscopically deployed endobronchial valve devices. **Am J Resp Crit Care Med** 2003; 167: A532.
23. **Fann JI**, St. Goar FG, Komtebedde J, Oz MC, Block PC, Foster E, Feldman T, Burdon TA. Off-pump edge-to-edge mitral valve technique using a mechanical clip in a chronic model. **Circulation** 2003; 108: IV-493.
24. St. Goar FG, **Fann JI**, Komtebedde J, Foster E, Oz MC, Fogarty TJ, Feldman T, Block PC. Catheter-directed mitral valve repair: Acute results in a porcine model. **Circulation** 2003; 108: IV-493.

#### **PAPERS:**

1. **Fann JI**, Loeb JM, LoCicero J, Frederiksen JW, Moran JM. Intraoperative endocardial activation mapping and intraoperative endocardial pace-mapping using a new balloon electrode. **Surg Forum** 1984; 35: 273-5.
2. **Fann JI**, Loeb JM, LoCicero J, Frederiksen JW, Moran JM, Michaelis LL. Endocardial activation mapping and endocardial pace-mapping using a balloon apparatus. **Am J Cardiol** 1985; 55: 1076-83.
3. **Fann JI**, Hartman GE, Shochat SJ. "Waterseal" gastrostomy in the management of premature infants with tracheoesophageal fistula and pulmonary insufficiency. **J Ped Surg** 1988; 23: 29-31.
4. **Fann JI**, Cahill PD, Mitchell RS, Miller DC. Regional variability of prostacyclin biosynthesis. **Arteriosclerosis** 1989; 9: 368-373.

**PAPERS (cont.):**

5. Fann **J**I, Miller DC. Intimal hyperplasia: Possible *in vivo* mechanisms and response to n-3 fatty acids. *J Vasc Surg* 1989; 10: 592-594.
6. Fann **J**I, Angell SK, Cahill PD, Kosek JC, Miller DC. Effects of fish oil on arteriosclerosis in the Japanese quail. *Cardiovascular Res* 1989; 23: 631-638.
7. Fann **J**I, Sarris GE, Miller DC, Mitchell RS, Oyer PE, Stinson EB, Shumway NE. Surgical management of acute aortic dissection complicated by a stroke. *Circulation* 1989; 80 (suppl I): I-257-263.
8. Sarris GE, Fann **J**I, Niczyporuk MA, Derby GC, Handen CE, Miller DC. Importance of mitral subvalvular apparatus of left ventricular systolic performance. *Circulation* 1989; 80 (suppl I): I-24-42.
9. Sarris GE, Fann **J**I, Sokoloff MH, Smith DL, Loveday M, Kosek JC, Cooper AD, May K, Willis AL, Miller DC. Mechanisms responsible for inhibition of vein graft arteriosclerosis by fish oil. *Circulation* 1989; 80 (suppl I): I-109-123.
10. Fann **J**I, Sarris GE, Mitchell RS, Shumway NE, Oyer PE, Stinson EB, Miller DC. Treatment of patients with acute aortic dissection presenting with peripheral vascular complications. *Ann Surg* 1990; 212: 705-13.
11. Fann **J**I, Sokoloff MH, Sarris GE, Yun KL, Kosek JC, Miller DC. The reversibility of canine vein graft arterialization. *Circulation* 1990; 82 (suppl IV): 9-18.
12. Yun KL, Fann **J**I, Rayhill SC, Nasserbakht F, Derby GC, Handen CE, Bolger AF, Miller DC. Importance of mitral subvalvular apparatus for left ventricular segmental systolic mechanics. *Circulation* 1990; 82 (suppl IV): 89-104.
13. Glower DD, Fann **J**I, Speier RH, Morrison L, White WD, Smith LR, Rankin JS, Miller DC, Wolfe WG. Comparison of medical and surgical therapy for uncomplicated descending aortic dissection. *Circulation* 1990; 82 (suppl IV): 39-46.
14. Yun KL, Niczyporuk MA, Sarris GE, Fann **J**I, Miller DC. Importance of mitral subvalvular apparatus in terms of cardiac energetics and systolic mechanics in the ejecting canine heart. *J Clin Invest* 1991; 87: 247-254.
15. Fann **J**I, Glower DD, Miller DC, Yun KL, Rankin JS, White WD, Smith LR, Wolfe WG, Shumway NE. Preservation of the aortic valve in patients with type A aortic dissection complicated by aortic valvular regurgitation. *J Thorac Cardiovasc Surg* 1991; 102: 62-75.
16. Yun KL, Glower DD, Miller DC, Fann **J**I, Mitchell RS, White WD, Rankin JS, Wolfe WG, Shumway NE. Aortic dissection due to transverse arch tear: Is concomitant arch repair warranted? *J Thorac Cardiovasc Surg* 1991; 102: 355-368.
17. Yun KL, Fann **J**I, Sokoloff MH, Fong LG, Sarris GE, Billingham ME, Miller DC. Dose response of fish oil versus safflower oil on graft arteriosclerosis in rabbit heterotopic cardiac allografts. *Ann Surg* 1991; 214: 155-167.

## **PAPERS (cont.):**

18. **Fann JI**, Sarris GE, Ingels NI, Niczyporuk MA, Daughters GD, Yun KL, Derby GC, Miller DC. Regional epicardial and endocardial two-dimensional finite deformations in the canine left ventricle. *Am J Physiol* 1991; 261: H1402-1410.
19. Yun KL, Michie SA, **Fann JI**, Billingham ME, Miller DC. Effects of fish oil on graft arteriosclerosis and MHC class II antigen expression in rat heterotopic cardiac allografts. *J Heart Lung Transplant* 1991; 10: 1004-1011.
20. Yun KL, Rayhill SC, Niczyporuk MA, **Fann JI**, Zipkin RE, Derby GC, Handen CE, Daughters GI, Ingels NB, Bolger AF, Miller DC. Mitral valve replacement in dilated canine hearts with chronic mitral regurgitation. Importance of the mitral subvalvular apparatus. *Circulation* 1991; 84: 112-124.
21. Yun KL, Rayhill SC, Niczyporuk MA, **Fann JI**, Derby GC, Miller DC. Left ventricular mechanics and energetics in the dilated canine heart: Acute versus chronic mitral regurgitation. *J Thorac Cardiovasc Surg* 1992; 104: 26- 39.
22. **Fann JI**, Dalman RL. Heritable arteriopathy. *Sem Vasc Surg* 1993, 6: 46-55.
23. **Fann JI**, Harris EJ, Jr., Dalman RL. Extra-anatomic bypass. *Ann Vasc Surg* 1993, 7: 378-383.
24. **Fann JI**, Vierra M, Fisher D, Oberhelman HA, Cobb L. Pseudomyxoma peritonei. *Surg Gynec & Obst* 1993; 177: 441-447.
25. **Fann JI**, Dalman RL, Harris EJ, Jr. Genetic and metabolic causes of arterial disease. *Ann Vasc Surg* 1994; 7: 594-604.
26. Smith JA, **Fann JI**, Miller DC, Mitchell RS, Reitz BA, Stinson EB, Oyer PE, Shumway NE. Marfan syndrome: Surgical management of aortic dissection. *Circulation* 1994; 90 (Part II): II-235-242.
27. **Fann JI**, Wyatt J, Frazier RL, Cahill JL. Symptomatic brachial artery aneurysm in a child. *J Ped Surg* 1994; 29: 1521-23.
28. **Fann JI**, Miller DC. Management of ascending aortic dissections. *ACC Current Journal Review* 1995; May/June: 39-41.
29. **Fann JI**, Miller DC. Aortic dissection. *Ann Vasc Surg* 1995; 9: 311-323.  
(French translation: **Fann JI**, Miller DC. Dissections aortiques. *Ann Chir Vasc* 1995; 9: 311-323.
30. DeAnda A, Moon MR, Nikolic SD, Castro LJ, **Fann JI**, Daughters GT, Ingels NB, Miller DC. A method to assess endocardial regional longitudinal curvature of the left ventricle. *Am J Physiol* 1995; 268:2553-H2560.
31. **Fann JI**, Dake MD, Semba CP, Liddell RP, Pfeffer TA, Miller DC. Endovascular stent-grafting after arch aneurysm repair using the "elephant trunk". *Ann Thorac Surg* 1995; 60: 1102-1105.
32. **Fann JI**, Smith JA, Miller DC, Mitchell RS, Moore KA, Grunkemeier G, Stinson EB, Oyer PE, Reitz BA, Shumway NE. Surgical management of aortic dissection over a 30 year period. *Circulation* 1995; 92: II-113-21.

**PAPERS (cont.):**

33. Fann **J**I, Miller DC. Porcine valves: Hancock and Carpentier-Edwards aortic prostheses. *Sem Thorac Cardiovasc Surg* 1996; 8: 259-268.
34. Fann **J**I, Miller DC, Moore KA, Mitchell RS, Oyer PE, Stinson EB, Robbins RC, Reitz BA, Shumway NE. Twenty-year clinical experience with porcine bioprostheses. *Ann Thorac Surg* 1996; 62: 1301-1312.
35. Moon MR, Mitchell RS, Dake MD, Zarins CK, Fann **J**I, Miller DC. Simultaneous abdominal aortic replacement and thoracic aortic stent-graft placement for multilevel aortic disease. *J Vasc Surg* 1997; 25: 332-340.
36. Fann **J**I, Pompili MF, Stevens JH, Siegel LC, St. Goar FG, Burdon TA, Reitz BA. Port-access cardiac surgery with cardioplegic arrest. *Ann Thorac Surg* 1997; 63: S-35-39.
37. Fann **J**I, Pompili MF, Burdon TA, Stevens JH, St. Goar FG, Reitz BA. Minimally invasive mitral valve surgery. *Sem Thorac Cardiovasc Surg* 1997; 9: 320-330.
38. Fann **J**I, Stevens JH, Pompili MF, Burdon TA, Reitz BA. Minimally invasive coronary artery bypass grafting. *Curr Opin Cardiol* 1997; 12: 482-487.
39. Yun KL, Miller DC, Fann **J**I, Mitchell RS, Robbins RC, Moore KA, Oyer PE, Stinson EB, Shumway NE, Reitz BA. Composite valve graft versus separate aortic valve and ascending aortic replacement: Is there still a role for the separate procedure? *Circulation* 1997; 96 (suppl II): II-368-375.
40. Fann **J**I, Wilson M, Theodore J, Reitz BA. Combined heart and single lung transplantation for complex congenital heart disease. *Ann Thorac Surg* 1998; 65: 823-825.
41. Fann **J**I, Groh MA, Pompili MF, Burdon TA, Reitz BA. Port-access multi-vessel coronary artery bypass grafting. *Operative Tech Card Thorac Surg* 1998; 3: 16-31.
42. Peters WS, Fann **J**I, Burdon TA, Pompili MF. Port-access cardiac surgery: A system analysis. *Perfusion* 1998; 13: 253-258.
43. Moon MR, Fann **J**I, Pompili MF, Burdon TA. Tophaceous pseudogout of the mitral valve. *Ann Thorac Surg* 1998; 66: 952-4
44. Fann **J**I, Miller DC. Endovascular treatment of thoracic aortic aneurysm and dissection. *Surg Clin North Am* 1999; 79 (3): 551-574.
45. Fann **J**I, Burdon TA, Pompili MF. Minimally invasive cardiac surgery using the Heartport technique. *Asian Pacific Heart J* 1999; 8: 19-26.
46. Falk V, Fann **J**I, Daunt D, Burdon TA. Endoscopic computer-enhanced beating heart coronary artery bypass grafting. *Ann Thorac Surg* 2000; 70: 2029-2033.
47. Falk V, Fann **J**I, Grunenfelder J, Burdon TA. Endoscopic doppler for detecting vessels in closed chest bypass grafting. *Heart Surg Forum* 2000;3(4):331-333

#### **PAPERS (cont.):**

48. Fann **J**I, Burdon TA. Are the indications for tissue valves different in 2001 and how do we communicate these changes to our cardiology colleagues? *Curr Opin Cardiol* 2001; 16: 126-135.
49. Falk V, Mintz D, Grunenfelder J, Fann **J**I, Burdon TA. Influence of three-dimensional vision on surgical telemanipulator performance. *Surg Endosc* 2001; 15: 1282-8
50. Wasserman SM, Fann **J**I, Atwood JE, Burdon TA, Fadel BM. Acquired left ventricular-right atrial communication gerbode-type defect. *Echocardiography* 2002; 19: 67-72.
51. Fann **J**I, Samuels S, Slonim S, Burdon TA, Dalman RL. Treatment of abdominal aortic anastomotic pseudoaneurysm using percutaneous coil embolization. *J Vasc Surg* 2002; 35: 811-4.
52. Fann **J**I. Thoracic and thoracoabdominal aortic aneurysms. *Coronary Art Dis* 2002; 13: 93-102.
53. Tibayan FA, Yun KL, Fann **J**I, Lai DT, Timek TA, Daughters GT, Ingels NB, Miller DC. Torsion dynamics in the evolution from acute to chronic mitral regurgitation. *J Heart Valve Dis* 2002; 11:39-46 (erratum in *J Heart Valve Dis* 2002; 11: 477).
54. St. Goar FG, Fann **J**I, Komtebedde J, Foster E, Oz MC, Fogarty TJ, Feldman T, Block PC. Endovascular edge-to-edge mitral valve repair: Short-term results in a porcine model. *Circulation* 2003; 108: 1990-1993.
55. Fann **J**I, Berry G, Burdon TA. Bronchoscopic approach to lung volume reduction using a valve device. *J Bronchology* 2003; 10: 253-259.
56. Fann **J**I, Atwood JE, Burdon TA. Repair of superior vena caval perforation during pacemaker placement using video-assisted limited thoracotomy. *Heart Surg Forum* 2004; 7: 1-3.
57. Fann **J**I, St. Goar FG, Komtebedde J, Oz MC, Block PC, Foster E, Butany J, Feldman T, Burdon TA. Beating heart catheter based edge-to-edge mitral valve procedure in a porcine model: Efficacy and healing response. *Circulation* 2004, in press.
58. Ihnken K, Fann **J**I, Burdon TA, Johnson FL, Kosek J, Shumway NE. Chronic mitral valve rejection requiring replacement in a nine year old allograft. *Ann Thorac Surg*, in press.
59. Caffarelli A, Fann **J**I, Johnson F, Salerno CT, Jenkins D, O'Bannon L, Burdon TA. Repair of chronic type A aortic dissection following orthotopic heart transplant using a composite valve graft. *J Cardiac Surg*, in press.
60. Fann **J**I, Berry G, Burdon TA. The use of endobronchial valve device to eliminate air leak. Submitted.

#### **CHAPTERS:**

1. Fann **J**I, Moreno-Cabral CE, Miller DC. Caged-ball valves: The Starr-Edwards and Smeloff-Sutter Prostheses. In: **Replacement Cardiac Valves**, Bodnar E, Frater R, Eds. New York: Pergamon Press, 1991, pp. 149-186.

## **CHAPTERS (cont.):**

2. **Fann JI, Mitchell RS. Vascular surgery.** In: **Anesthesiologist's Manual of Surgical Procedures**, Jaffe RA, Samuels SI, Eds. New York: Raven Press, 1994, pp 227-271.
3. **Fann JI, Miller DC. Pathogenesis of aortic dissection.** In: **Current Therapy in Vascular Surgery**, 3rd Edition, Ernst C, Stanley JC, Eds. Philadelphia: BC Decker, 1995, pp 206-209.
4. **Fann JI, Miller DC. Descending thoracic aortic aneurysms.** In: **Glenn's Thoracic and Cardiovascular Surgery**, 6th Edition. Baue AE, Geha AS, Hammond GL, Laks H, Naunheim KS, Eds. Stamford: Appleton and Lange, 1995, pp 2255-2272.
5. **Fann JI, Mitchell RS, Dake MD, Miller DC. The results of endovascular grafting of descending thoracic aortic aneurysms.** In: **Vascular Surgery: Twenty Years of Progress**, Yao, JST, Ed. Appleton and Lange 1996, pp 241-254.
6. **Fann JI, Ingels NB, Miller DC. Pathophysiology of mitral valve disease and indications for surgery.** In: **Cardiac Surgery in the Adult**, Edmunds LH, Ed. McGraw-Hill 1997, pp 959-990.
7. **Fann JI, Pompili MF, Stevens JH, Siegel LC, St. Goar FG, Burdon TA. Port-access cardiac surgery with cardiopulmonary bypass and cardioplegic arrest.** In: **Surgical Technology International VI**, Szabo Z, Ed. University Medical Press 1997, pp 279-284.
8. **Fann JI, Miller DC. Surgical approach to type A aortic dissection.** In: **Disecccion Aortica**, Vilacosta I, San Roman JA, Eds. Harcourt Brace 1997, pp 147-157.
9. **Fann JI, Slonim S, Miller DC. Endovascular stent-grafting of thoracic aortic aneurysms and dissections.** In: **Diagnosis and Treatment of Aortic and Peripheral Arterial Aneurysms**, Calligaro K, Dougherty MJ, Hollier L., Eds. W. B. Saunders 1999, pp 97-111.
10. **Fann JI, Miller DC. Treatment of thoracic aortic aneurysms.** In: **Diagnostics and Treatment of Aortic Diseases**, Nienaber CA and Fattori R, Eds. Kluwer 1999, pp 87-128.
11. **Fann JI, Pompili MF, Burdon TA, Reitz BA. Minimally invasive cardiac surgery (port-access method).** In: **Advanced Therapy or Techniques in Cardiac Surgery**, Franco K and Verrier E, Eds. B.C. Decker 1999, pp 135-144.
12. **Fann JI, Mitchell RS, Kee ST, Dake MD. Vascular surgery.** In: **Anesthesiologist's Manual of Surgical Procedures**, 2nd Edition, Jaffe RA, Samuels SI, Eds. Lippincott Williams and Wilkins, 1999, pp 265-309.
13. **Reitz BA, Fann JI. Heart/Lung transplantation.** In: **Anesthesiologist's Manual of Surgical Procedures**, 2nd Edition, Jaffe RA, Samuels SI, Eds. Lippincott Williams and Wilkins, 1999, pp 313-341.
14. **Fann JI, Stevens JH, Pompili MF, Burdon TA, Reitz BA. Port-access coronary artery bypass grafting.** In: **Minimally Invasive Cardiac Surgery**, Mack MJ and Cohen RG, Eds, Quality Medical 1999, pp 181-187.



## **CHAPTERS (cont.):**

15. Fann JI, Pompili MF, Stevens JH, Burdon TA, Reitz BA. Port-access mitral valve replacement. In: **Minimally Invasive Cardiac Surgery**, Mack MJ and Cohen RG, Eds, Quality Medical 1999, pp 283-293.
16. Fann JI, Dake MD, Mitchell RS, Semba CP, Miller DC. Endovascular management of descending thoracic aortic aneurysms. In: **Endovascular Grafting Techniques**, Parodi J, Veith F, and Marin M, Eds. Williams and Wilkins 1999, pp 85-91.
17. Ikonomidis JS, Fann JI, Burdon TA, Pompili MF. Port-access coronary artery bypass grafting. In: **Minimal Access Cardiothoracic Surgery**, Yim, Hazelrigg, Izzat, Landreneau, Mack, and Naunheim, Eds. W. B. Saunders 1999, pp 512-516.
18. Ikonomidis JS, Fann JI, Burdon TA, Pompili MF. Port-access heart valve surgery. In: **Minimal Access Cardiothoracic Surgery**, Yim, Hazelrigg, Izzat, Landreneau, Mack, and Naunheim, Eds. W. B. Saunders 1999, pp 576-580.
19. Fann JI, Pompili MF, Stevens JH, Burdon TA, Reitz BA. Minimally invasive cardiac surgery. In: **Video Assisted Thoracic Surgery**, Walker WS, Ed. 1999.
20. St. Goar FG, Burdon TA, Fann JI. Management of a 61 year-old man presenting with retrosternal chest discomfort. In: **Interactive Grand Rounds in Cardiology, CD-ROM**, 2000.
21. Stevens JH, Pompili MF, Fann JI, Burdon TA. Port access cardiac surgery: State of the art. In: **Mastery of Endoscopic and Laparoscopic Surgery**, Eubanks WS, Soper NJ, Swanstrom LL, Eds. Little, Brown and Co. 2000, pp 525-534.
22. Fann JI, Miller DC. Pathophysiology of aortic dissection. In: **Handbook of Aortic Surgery**, Ballard J, Ed. Landes Bioscience, 2000, pp 37-48.
23. Fann JI, Mitchell RS. Peripheral vascular complications of aortic dissection. In: **Handbook of Aortic Surgery**, Ballard J, Ed. Landes Bioscience, 2000, pp 308-318.
24. Fann JI, Ingels NB, Miller DC. Pathophysiology of mitral valve disease. In: **Cardiac Surgery in the Adult**, 2<sup>nd</sup> Edition, Cohn LH, Ed. McGraw-Hill 2003, pp 901-931.
25. Fann JI, Reitz BA. Aortic valve replacement. In: **Operative Cardiac Surgery**, Gardner T and Spray T, Eds. Edward Arnold Limited, 2004, pp 235-251.
26. Fann JI, Mitchell RS, Kee ST, Dake MD. Vascular surgery. In: **Anesthesiologist's Manual of Surgical Procedures**, 3<sup>rd</sup> Edition, Jaffe RA, Samuels SI, Eds. Lippincott Williams and Wilkins 2004; pp 307-358..
26. Fann JI, Reitz BA. Heart/Lung transplantation. In: **Anesthesiologist's Manual of Surgical Procedures**, 3<sup>rd</sup> Edition, Jaffe RA, Samuels SI, Eds. Lippincott Williams and Wilkins 2004; pp 359-374.
27. Fann JI. Minimally invasive cardiac surgery. In: **Anesthesiologist's Manual of Surgical Procedures**, 3<sup>rd</sup> Edition, Jaffe RA, Samuels SI, Eds. Lippincott Williams and Wilkins 2004; pp 291-306.

**CHAPTERS (cont.):**

28. Fann JI, Burdon TA. Closed-chest cardiopulmonary bypass and cardioplegia for coronary surgery: History and development. In: **Arterial Grafting for Coronary Artery Bypass Surgery: A Textbook for Cardiovascular Clinicians and Researchers**, 2<sup>nd</sup> Edition, He GW, Ed. Springer-Verlag, in press.

**REFERENCES:** Upon request.